

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

| | | | |
|-----------------|------------|-------------|-------------------------|
| Client ID: | M00443 | Client: | Alaskan Copper Works |
| Date Received: | 05/24/07 | Project: | PO# M00443, F&BI 705297 |
| Date Extracted: | 05/30/07 | Lab ID: | 705297-01 x10 |
| Date Analyzed: | 05/30/07 | Data File: | 705297-01 x10.042 |
| Matrix: | Water | Instrument: | ICPMS1 |
| Units: | ug/L (ppb) | Operator: | HR |

| | | | |
|--------------------|-------------|--------------|--------------|
| Internal Standard: | % Recovery: | Lower Limit: | Upper Limit: |
| Germanium | 99 | 60 | 125 |

| | |
|----------|-----------------------------|
| Analyte: | Concentration ug/L (ppb) |
| Chromium | 452 |
| Nickel | 309 |
| Copper | 156 |
| Zinc | 10.0 |

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Analysis For Total Metals By EPA Method 200.8

| | | | |
|-----------------|----------------|-------------|-------------------------|
| Client ID: | Method Blank | Client: | Alaskan Copper Works |
| Date Received: | Not Applicable | Project: | PO# M00443, F&BI 705297 |
| Date Extracted: | 05/30/07 | Lab ID: | I7-198 mb |
| Date Analyzed: | 05/30/07 | Data File: | I7-198 mb.023 |
| Matrix: | Water | Instrument: | ICPMS1 |
| Units: | ug/L (ppb) | Operator: | HR |

| | | | |
|--------------------|-------------|--------|--------|
| Internal Standard: | % Recovery: | Lower | Upper |
| Germanium | 103 | Limit: | Limit: |
| | | 60 | 125 |

| Analyte: | Concentration ug/L (ppb) |
|----------|-----------------------------|
| Chromium | <1 |
| Nickel | <1 |
| Copper | <1 |
| Zinc | <1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/07

Date Received: 05/24/07

Project: Metro Self Monitor, PO# M00443, F&BI 705297

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 705311-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | Relative Percent Difference | Acceptance Criteria |
|----------|-----------------|---------------|------------------|-----------------------------|---------------------|
| Chromium | ug/L (ppb) | <1 | <1 | nm | 0-20 |
| Nickel | ug/L (ppb) | 6.12 | 6.06 | 1 | 0-20 |
| Copper | ug/L (ppb) | 1.69 | 1.71 | 1 | 0-20 |
| Zinc | ug/L (ppb) | 18.5 | 17.0 | 8 | 0-20 |

Laboratory Code: 705311-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Acceptance Criteria |
|----------|-----------------|-------------|---------------|---------------------|---------------------|
| Chromium | ug/L (ppb) | 20 | <1 | 110 | 50-150 |
| Nickel | ug/L (ppb) | 20 | 6.12 | 103 b | 50-150 |
| Copper | ug/L (ppb) | 20 | 1.69 | 99 | 50-150 |
| Zinc | ug/L (ppb) | 50 | 18.5 | 102 b | 50-150 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|----------|-----------------|-------------|----------------------|---------------------|
| Chromium | ug/L (ppb) | 20 | 105 | 70-130 |
| Nickel | ug/L (ppb) | 20 | 103 | 70-130 |
| Copper | ug/L (ppb) | 20 | 102 | 70-130 |
| Zinc | ug/L (ppb) | 50 | 102 | 70-130 |

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 1, 2007

DUPLICATE

INVOICE #07ACU0601-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M00443, F&BI 705297 - Results of testing
requested by Gerry Thompson for material submitted on May 24, 2007.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID #(b) (6)

705297

SAMPLE CHAIN OF CUSTODY

ME 05/24/07

AIY

Send Report To

GERARD Thompson

Company ALASKAN Copper Works

Address 628 S. Hancock St

City, State, ZIP Seattle WA 98134

Phone # 206-571-6033 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

METRO SELF MONITOR

PO #

M00443

REMARKS

PLEASE FAX Results

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH 5/24/07

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | |
|-----------|--------|---------|------|-------------|--------------------|--------------------|--------------|---------------|--------------|---------------|-----|---|------------|--|--|-------|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | |
| M00443 | 01 | 5/27/07 | 1:00 | H2O | 1 | | | | | | | X | CECup 1/20 | | | | | | |
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Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

GERARD Thompson

Nhan Phan

COMPANY

ACU

FEBI

DATE

5/24/07

5/24/07

TIME

1:25pm

V

Samples received at 25 °C

Samples received at °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 1, 2007

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 24, 2007 from the Metro Self Monitor, PO# M00443, F&BI 705297 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0601R.DOC